

**Congress of the United States**  
**Washington, DC 20515**

736

September 25, 2018

Honorable Chairman Ajit Pai  
Federal Communications Commission  
445 12th Street, SW  
Washington, DC 20554

Dear Chairman Pai:

As you know, the race to 5G is on across the globe, and many nations are racing to lead it. Our country's leadership in 4G resulted in tremendous economic growth, and winning the race to 5G will bring even more economic success: 5G will contribute hundreds of billions of dollars to our economy and generate millions of new jobs. But America's success is not assured. Today, China and South Korea are eager to win this critical race, which is why we need smart, efficient Federal Communications Commission (FCC) regulations that promote investment so the U.S. ultimately wins the race to 5G.

Congress declared in the 1996 Telecommunications Act that it was critical to create a "pro-competitive, de-regulatory national policy framework designed to accelerate rapidly private sector deployment of advanced telecommunications and information technologies and services to all Americans." That policy reflects Congress' decision that removing unwarranted regulation while balancing the important role of localities in the siting process will benefit our economy and help our citizens. We urge the FCC to do more to create guardrails that promote local deployment of advanced communications services, take steps to protect local authority, and help the U.S. win the race to 5G. As you undertake this effort, we urge the FCC to take the following principles into consideration.

First, the FCC should recognize localities' historic and ongoing role in managing rights of way to ensure safe deployment and achieve aesthetic goals. Reasonable, objective requirements should be permitted and should be published in advance so that providers know how to design their facilities.

Second, the FCC should establish "guardrails" to delineate where local regulations either promote or effectively prohibit the construction of the networks urgently needed for 5G and broadband. Such guardrails will benefit both localities and providers by clarifying what types of restrictions are appropriate or improper. For instance, requirements that all wireless facilities be placed underground (a physical impossibility for wireless) are the kind of regulations that are inconsistent with the national priority to deploy broadband to reach all Americans.

Third, the FCC should ensure that localities are fully compensated for their costs in issuing permits, overseeing deployment, and where necessary, managing the rights of way for use by communications providers. Such fees should be reasonable and non-discriminatory, and should ensure that localities are made whole.

Lastly, the FCC should set reasonable and enforceable deadlines for localities to act on wireless permit applications. The lengthy reviews for 200-foot cell towers are clearly not appropriate for the small cells that will be used to increase capacity and promote next-generation deployments. The distinction between siting large macro-towers and small cells should be reflected in any rulemaking. Reasonable deadlines should also be accompanied by reasonable enforcement of those deadlines.

We urge you to act swiftly to clear the way for more investment in our nation's vital communications infrastructure. The FCC should take steps to ensure capital is being invested in deploying broadband, not being spent on burdensome regulations that make investing in higher cost areas, particularly in rural America, less feasible.

We look forward to working with you in this important effort to ensure that the U.S. leads the way in 5G and reaps the economic and other benefits that advanced communications networks will provide to all Americans.

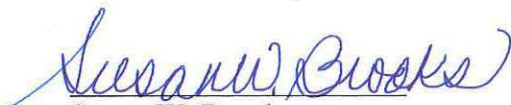
Sincerely,



Billy Long  
Member of Congress




Fred Upton  
Member of Congress




Susan W. Brooks  
Member of Congress



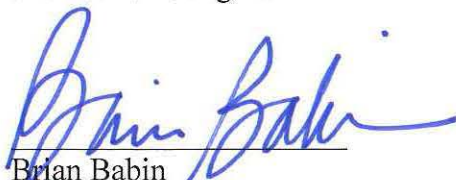
Gregg Harper  
Member of Congress



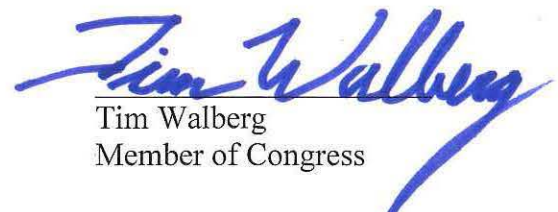
Lynn Jenkins, CPA  
Member of Congress



Kevin Yoder  
Member of Congress



Brian Babin  
Member of Congress



Tim Walberg  
Member of Congress



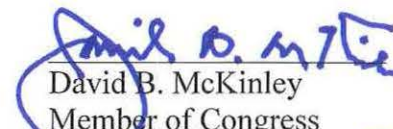
  
Ron Estes  
Member of Congress

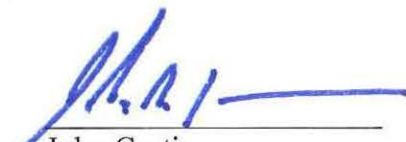
  
Bill Johnson  
Member of Congress

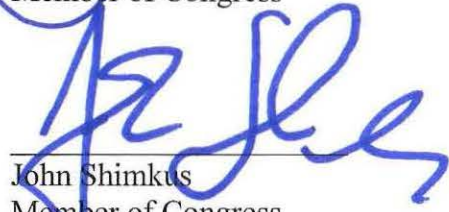
  
Robert E. Latta  
Member of Congress

  
John Ratcliffe  
Member of Congress

  
Ryan Costello  
Member of Congress

  
David B. McKinley  
Member of Congress


  
John Curtis  
Member of Congress


  
John Shimkus  
Member of Congress

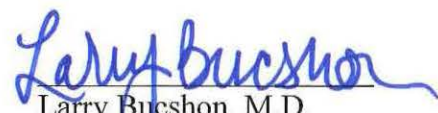
  
Brett Guthrie  
Member of Congress

  
Adam Kinzinger  
Member of Congress


  
Blaine Luetkemeyer  
Member of Congress

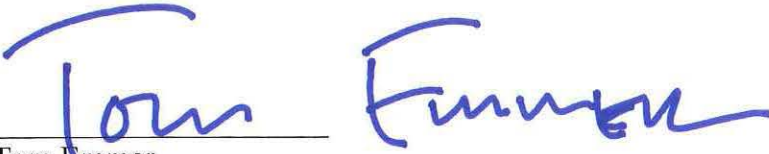
  
Mark Walker  
Member of Congress

  
Gus Bilirakis  
Member of Congress

  
Larry Bucshon, M.D.  
Member of Congress

  
Jeff Duncan  
Member of Congress

  
Michael C. Burgess, M.D.  
Member of Congress

  
Tom Emmer  
Member of Congress



FEDERAL COMMUNICATIONS COMMISSION  
WASHINGTON

December 27, 2018

OFFICE OF  
THE CHAIRMAN

The Honorable Larry Bucshon  
U.S. House of Representatives  
1005 Longworth House Office Building  
Washington, D.C. 20515

Dear Congressman Bucshon:

Thank you for your letter regarding Commission efforts to modernize our wireless infrastructure regulations. Our wireless infrastructure rules have been a poor fit for the 5G networks of the future, and our efforts to unleash spectrum for consumer use will be meaningless without the physical infrastructure needed to bring next-generation services to American consumers. That's because 5G networks will not depend on a few large towers but on numerous small cell deployments—deployments that are only beginning.

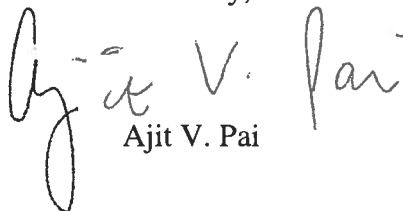
As you aptly noted, the Telecommunications Act of 1996 mandates that we act to ensure a pro-competitive, de-regulatory national policy framework to accelerate this process. That's why we acted earlier this year to modernize our regulations and streamline the federal regulatory review process for 5G infrastructure.

Many states and localities have similarly taken positive steps to reform their own laws so that their citizens can benefit from 5G. And I applaud municipalities like Indianapolis, Indiana; Phoenix, Arizona; and Sioux Falls, South Dakota, which have prioritized mobile broadband deployment and recognized that a streamlined process is necessary for 5G.

But in too many places, local rules and regulations continue to impede the build-out of 5G infrastructure. And so, with your encouragement, we took action in September to address such local regulations, which are inconsistent with federal law. Big-city taxes on 5G slow down deployment there and jeopardize the construction of 5G networks in suburbs and rural America. Accordingly, we set guard rails to ensure cities can recover their costs but not discriminate against new deployments. On a bipartisan basis, we also set reasonable shot clocks tailored to small wireless facilities while respecting the need for longer timelines when dealing with 200-foot towers. And we recognized the role that reasonable municipal regulations can play in this area. I believe the rules we adopted and reasonable balance we struck will help ensure American leadership in 5G.

As with all of our decisions, we reviewed a broad range of comments and listened carefully to the concerns of stakeholders. We also included your correspondence in the record of this proceeding. Please let me know if I can be of any further assistance.

Sincerely,

  
Ajit V. Pai



OFFICE OF  
THE CHAIRMAN

FEDERAL COMMUNICATIONS COMMISSION  
WASHINGTON

December 27, 2018

The Honorable Jeff Duncan  
U.S. House of Representatives  
2229 Rayburn House Office Building  
Washington, D.C. 20515

Dear Congressman Duncan:

Thank you for your letter regarding Commission efforts to modernize our wireless infrastructure regulations. Our wireless infrastructure rules have been a poor fit for the 5G networks of the future, and our efforts to unleash spectrum for consumer use will be meaningless without the physical infrastructure needed to bring next-generation services to American consumers. That's because 5G networks will not depend on a few large towers but on numerous small cell deployments—deployments that are only beginning.

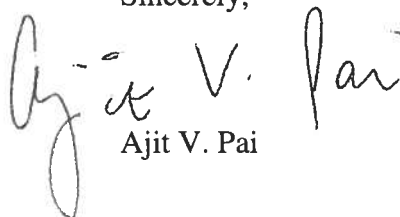
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FEDERAL COMMUNICATIONS COMMISSION  
WASHINGTON

December 27, 2018

The Honorable Michael C. Burgess  
U.S. House of Representatives  
2336 Rayburn House Office Building  
Washington, D.C. 20515

Dear Congressman Burgess:

Thank you for your letter regarding Commission efforts to modernize our wireless infrastructure regulations. Our wireless infrastructure rules have been a poor fit for the 5G networks of the future, and our efforts to unleash spectrum for consumer use will be meaningless without the physical infrastructure needed to bring next-generation services to American consumers. That's because 5G networks will not depend on a few large towers but on numerous small cell deployments—deployments that are only beginning.

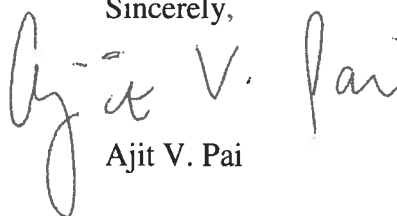
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THE CHAIRMAN

FEDERAL COMMUNICATIONS COMMISSION  
WASHINGTON

December 27, 2018

The Honorable Tom Emmer  
U.S. House of Representatives  
315 Cannon House Office Building  
Washington, D.C. 20515

Dear Congressman Emmer:

Thank you for your letter regarding Commission efforts to modernize our wireless infrastructure regulations. Our wireless infrastructure rules have been a poor fit for the 5G networks of the future, and our efforts to unleash spectrum for consumer use will be meaningless without the physical infrastructure needed to bring next-generation services to American consumers. That's because 5G networks will not depend on a few large towers but on numerous small cell deployments—deployments that are only beginning.

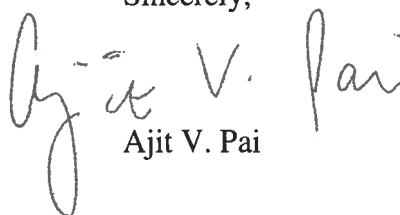
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THE CHAIRMAN

FEDERAL COMMUNICATIONS COMMISSION  
WASHINGTON

December 27, 2018

The Honorable David B. McKinley  
U.S. House of Representatives  
2239 Rayburn House Office Building  
Washington, D.C. 20515

Dear Congressman McKinley:

Thank you for your letter regarding Commission efforts to modernize our wireless infrastructure regulations. Our wireless infrastructure rules have been a poor fit for the 5G networks of the future, and our efforts to unleash spectrum for consumer use will be meaningless without the physical infrastructure needed to bring next-generation services to American consumers. That's because 5G networks will not depend on a few large towers but on numerous small cell deployments—deployments that are only beginning.

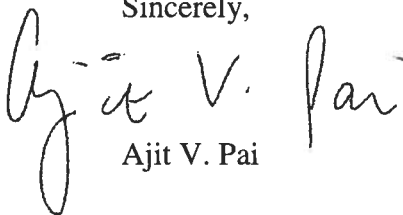
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FEDERAL COMMUNICATIONS COMMISSION  
WASHINGTON

December 27, 2018

The Honorable Billy Long  
U.S. House of Representatives  
2454 Rayburn House Office Building  
Washington, D.C. 20515

Dear Congressman Long:

Thank you for your letter regarding Commission efforts to modernize our wireless infrastructure regulations. Our wireless infrastructure rules have been a poor fit for the 5G networks of the future, and our efforts to unleash spectrum for consumer use will be meaningless without the physical infrastructure needed to bring next-generation services to American consumers. That's because 5G networks will not depend on a few large towers but on numerous small cell deployments—deployments that are only beginning.

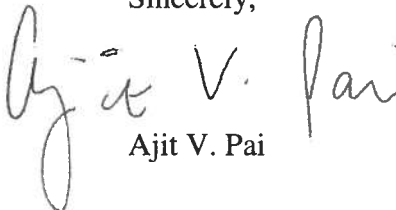
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FEDERAL COMMUNICATIONS COMMISSION  
WASHINGTON

December 27, 2018

OFFICE OF  
THE CHAIRMAN

The Honorable Fred Upton  
U.S. House of Representatives  
2183 Rayburn House Office Building  
Washington, D.C. 20515

Dear Congressman Upton:

Thank you for your letter regarding Commission efforts to modernize our wireless infrastructure regulations. Our wireless infrastructure rules have been a poor fit for the 5G networks of the future, and our efforts to unleash spectrum for consumer use will be meaningless without the physical infrastructure needed to bring next-generation services to American consumers. That's because 5G networks will not depend on a few large towers but on numerous small cell deployments—deployments that are only beginning.

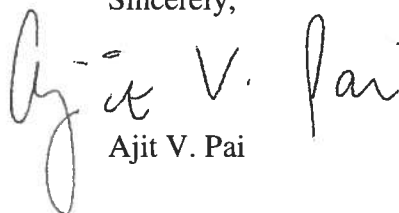
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THE CHAIRMAN

FEDERAL COMMUNICATIONS COMMISSION  
WASHINGTON

December 27, 2018

The Honorable Susan W. Brooks  
U.S. House of Representatives  
1030 Longworth House Office Building  
Washington, D.C. 20515

Dear Congresswoman Brooks:

Thank you for your letter regarding Commission efforts to modernize our wireless infrastructure regulations. Our wireless infrastructure rules have been a poor fit for the 5G networks of the future, and our efforts to unleash spectrum for consumer use will be meaningless without the physical infrastructure needed to bring next-generation services to American consumers. That's because 5G networks will not depend on a few large towers but on numerous small cell deployments—deployments that are only beginning.

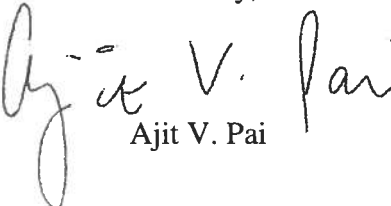
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FEDERAL COMMUNICATIONS COMMISSION  
WASHINGTON

December 27, 2018

OFFICE OF  
THE CHAIRMAN

The Honorable Gregg Harper  
U.S. House of Representatives  
2227 Rayburn House Office Building  
Washington, D.C. 20515

Dear Congressman Harper:

Thank you for your letter regarding Commission efforts to modernize our wireless infrastructure regulations. Our wireless infrastructure rules have been a poor fit for the 5G networks of the future, and our efforts to unleash spectrum for consumer use will be meaningless without the physical infrastructure needed to bring next-generation services to American consumers. That's because 5G networks will not depend on a few large towers but on numerous small cell deployments—deployments that are only beginning.

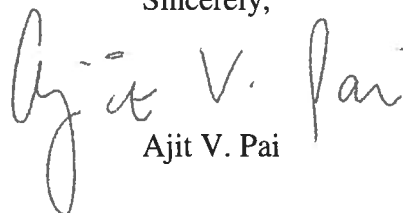
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THE CHAIRMAN

FEDERAL COMMUNICATIONS COMMISSION  
WASHINGTON

December 27, 2018

The Honorable Lynn Jenkins  
U.S. House of Representatives  
1526 Longworth House Office Building  
Washington, D.C. 20515

Dear Congresswoman Jenkins:

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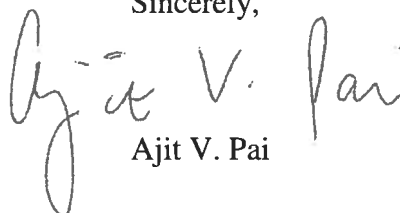
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THE CHAIRMAN

The Honorable Kevin Yoder  
U.S. House of Representatives  
2433 Rayburn House Office Building  
Washington, D.C. 20515

Dear Congressman Yoder:

Thank you for your letter regarding Commission efforts to modernize our wireless infrastructure regulations. Our wireless infrastructure rules have been a poor fit for the 5G networks of the future, and our efforts to unleash spectrum for consumer use will be meaningless without the physical infrastructure needed to bring next-generation services to American consumers. That's because 5G networks will not depend on a few large towers but on numerous small cell deployments—deployments that are only beginning.

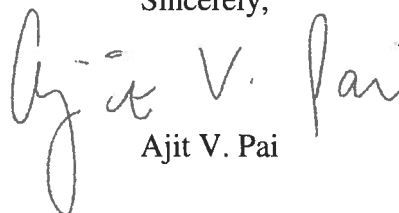
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Many states and localities have similarly taken positive steps to reform their own laws so that their citizens can benefit from 5G. And I applaud municipalities like Indianapolis, Indiana; Phoenix, Arizona; and Sioux Falls, South Dakota, which have prioritized mobile broadband deployment and recognized that a streamlined process is necessary for 5G.

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As with all of our decisions, we reviewed a broad range of comments and listened carefully to the concerns of stakeholders. We also included your correspondence in the record of this proceeding. Please let me know if I can be of any further assistance.

Sincerely,



Ajit V. Pai



FEDERAL COMMUNICATIONS COMMISSION  
WASHINGTON

December 27, 2018

OFFICE OF  
THE CHAIRMAN

The Honorable Brian Babin  
U.S. House of Representatives  
316 Cannon House Office Building  
Washington, D.C. 20515

Dear Congressman Babin:

Thank you for your letter regarding Commission efforts to modernize our wireless infrastructure regulations. Our wireless infrastructure rules have been a poor fit for the 5G networks of the future, and our efforts to unleash spectrum for consumer use will be meaningless without the physical infrastructure needed to bring next-generation services to American consumers. That's because 5G networks will not depend on a few large towers but on numerous small cell deployments—deployments that are only beginning.

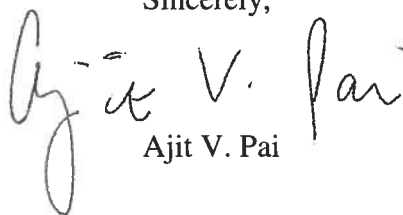
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FEDERAL COMMUNICATIONS COMMISSION  
WASHINGTON

December 27, 2018

OFFICE OF  
THE CHAIRMAN

The Honorable Tim Walberg  
U.S. House of Representatives  
2436 Rayburn House Office Building  
Washington, D.C. 20515

Dear Congressman Walberg:

Thank you for your letter regarding Commission efforts to modernize our wireless infrastructure regulations. Our wireless infrastructure rules have been a poor fit for the 5G networks of the future, and our efforts to unleash spectrum for consumer use will be meaningless without the physical infrastructure needed to bring next-generation services to American consumers. That's because 5G networks will not depend on a few large towers but on numerous small cell deployments—deployments that are only beginning.

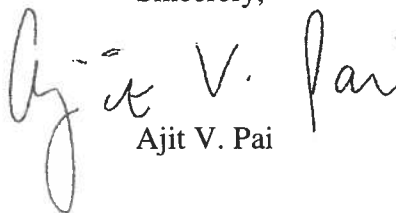
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FEDERAL COMMUNICATIONS COMMISSION  
WASHINGTON

December 27, 2018

OFFICE OF  
THE CHAIRMAN

The Honorable Ron Estes  
U.S. House of Representatives  
2452 Rayburn House Office Building  
Washington, D.C. 20515

Dear Congressman Estes:

Thank you for your letter regarding Commission efforts to modernize our wireless infrastructure regulations. Our wireless infrastructure rules have been a poor fit for the 5G networks of the future, and our efforts to unleash spectrum for consumer use will be meaningless without the physical infrastructure needed to bring next-generation services to American consumers. That's because 5G networks will not depend on a few large towers but on numerous small cell deployments—deployments that are only beginning.

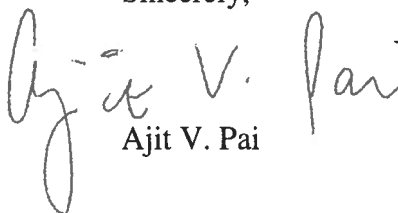
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FEDERAL COMMUNICATIONS COMMISSION  
WASHINGTON

December 27, 2018

OFFICE OF  
THE CHAIRMAN

The Honorable Bill Johnson  
U.S. House of Representatives  
1710 Longworth House Office Building  
Washington, D.C. 20515

Dear Congressman Johnson:

Thank you for your letter regarding Commission efforts to modernize our wireless infrastructure regulations. Our wireless infrastructure rules have been a poor fit for the 5G networks of the future, and our efforts to unleash spectrum for consumer use will be meaningless without the physical infrastructure needed to bring next-generation services to American consumers. That's because 5G networks will not depend on a few large towers but on numerous small cell deployments—deployments that are only beginning.

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FEDERAL COMMUNICATIONS COMMISSION  
WASHINGTON

December 27, 2018

OFFICE OF  
THE CHAIRMAN

The Honorable Bob Latta  
U.S. House of Representatives  
2448 Rayburn House Office Building  
Washington, D.C. 20515

Dear Congressman Latta:

Thank you for your letter regarding Commission efforts to modernize our wireless infrastructure regulations. Our wireless infrastructure rules have been a poor fit for the 5G networks of the future, and our efforts to unleash spectrum for consumer use will be meaningless without the physical infrastructure needed to bring next-generation services to American consumers. That's because 5G networks will not depend on a few large towers but on numerous small cell deployments—deployments that are only beginning.

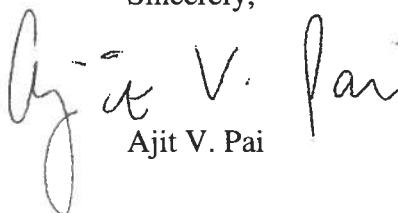
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FEDERAL COMMUNICATIONS COMMISSION  
WASHINGTON

December 27, 2018

OFFICE OF  
THE CHAIRMAN

The Honorable John Ratcliffe  
U.S. House of Representatives  
325 Cannon House Office Building  
Washington, D.C. 20515

Dear Congressman Ratcliffe:

Thank you for your letter regarding Commission efforts to modernize our wireless infrastructure regulations. Our wireless infrastructure rules have been a poor fit for the 5G networks of the future, and our efforts to unleash spectrum for consumer use will be meaningless without the physical infrastructure needed to bring next-generation services to American consumers. That's because 5G networks will not depend on a few large towers but on numerous small cell deployments—deployments that are only beginning.

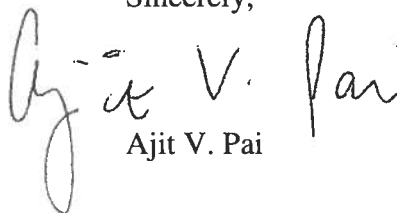
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FEDERAL COMMUNICATIONS COMMISSION  
WASHINGTON

December 27, 2018

OFFICE OF  
THE CHAIRMAN

The Honorable Ryan Costello  
U.S. House of Representatives  
326 Cannon House Office Building  
Washington, D.C. 20515

Dear Congressman Costello:

Thank you for your letter regarding Commission efforts to modernize our wireless infrastructure regulations. Our wireless infrastructure rules have been a poor fit for the 5G networks of the future, and our efforts to unleash spectrum for consumer use will be meaningless without the physical infrastructure needed to bring next-generation services to American consumers. That's because 5G networks will not depend on a few large towers but on numerous small cell deployments—deployments that are only beginning.

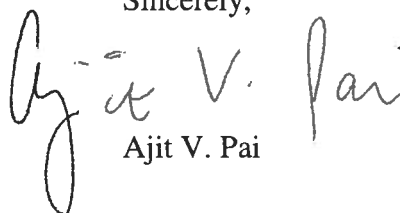
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FEDERAL COMMUNICATIONS COMMISSION  
WASHINGTON

December 27, 2018

OFFICE OF  
THE CHAIRMAN

The Honorable David B. McKinley  
U.S. House of Representatives  
2239 Rayburn House Office Building  
Washington, D.C. 20515

Dear Congressman McKinley:

Thank you for your letter regarding Commission efforts to modernize our wireless infrastructure regulations. Our wireless infrastructure rules have been a poor fit for the 5G networks of the future, and our efforts to unleash spectrum for consumer use will be meaningless without the physical infrastructure needed to bring next-generation services to American consumers. That's because 5G networks will not depend on a few large towers but on numerous small cell deployments—deployments that are only beginning.

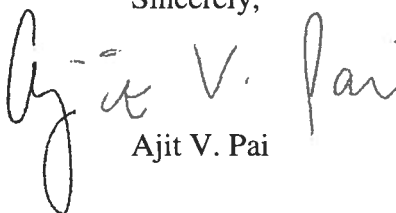
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Ajit V. Pai





FEDERAL COMMUNICATIONS COMMISSION  
WASHINGTON

December 27, 2018

OFFICE OF  
THE CHAIRMAN

The Honorable John R. Curtis  
U.S. House of Representatives  
2236 Rayburn House Office Building  
Washington, D.C. 20515

Dear Congressman Curtis:

Thank you for your letter regarding Commission efforts to modernize our wireless infrastructure regulations. Our wireless infrastructure rules have been a poor fit for the 5G networks of the future, and our efforts to unleash spectrum for consumer use will be meaningless without the physical infrastructure needed to bring next-generation services to American consumers. That's because 5G networks will not depend on a few large towers but on numerous small cell deployments—deployments that are only beginning.

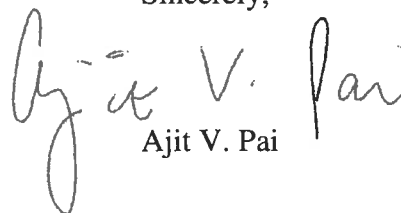
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FEDERAL COMMUNICATIONS COMMISSION  
WASHINGTON

December 27, 2018

OFFICE OF  
THE CHAIRMAN

The Honorable John Shimkus  
U.S. House of Representatives  
2217 Rayburn House Office Building  
Washington, D.C. 20515

Dear Congressman Shimkus:

Thank you for your letter regarding Commission efforts to modernize our wireless infrastructure regulations. Our wireless infrastructure rules have been a poor fit for the 5G networks of the future, and our efforts to unleash spectrum for consumer use will be meaningless without the physical infrastructure needed to bring next-generation services to American consumers. That's because 5G networks will not depend on a few large towers but on numerous small cell deployments—deployments that are only beginning.

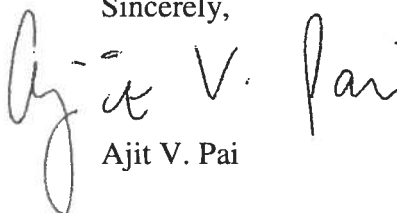
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FEDERAL COMMUNICATIONS COMMISSION  
WASHINGTON

December 27, 2018

OFFICE OF  
THE CHAIRMAN

The Honorable Brett Guthrie  
U.S. House of Representatives  
2434 Rayburn House Office Building  
Washington, D.C. 20515

Dear Congressman Guthrie:

Thank you for your letter regarding Commission efforts to modernize our wireless infrastructure regulations. Our wireless infrastructure rules have been a poor fit for the 5G networks of the future, and our efforts to unleash spectrum for consumer use will be meaningless without the physical infrastructure needed to bring next-generation services to American consumers. That's because 5G networks will not depend on a few large towers but on numerous small cell deployments—deployments that are only beginning.

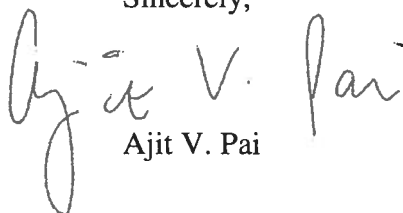
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OFFICE OF  
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FEDERAL COMMUNICATIONS COMMISSION  
WASHINGTON

December 27, 2018

The Honorable Adam Kinzinger  
U.S. House of Representatives  
2245 Rayburn House Office Building  
Washington, D.C. 20515

Dear Congressman Kinzinger:

Thank you for your letter regarding Commission efforts to modernize our wireless infrastructure regulations. Our wireless infrastructure rules have been a poor fit for the 5G networks of the future, and our efforts to unleash spectrum for consumer use will be meaningless without the physical infrastructure needed to bring next-generation services to American consumers. That's because 5G networks will not depend on a few large towers but on numerous small cell deployments—deployments that are only beginning.

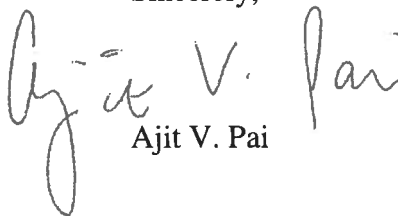
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FEDERAL COMMUNICATIONS COMMISSION  
WASHINGTON

December 27, 2018

OFFICE OF  
THE CHAIRMAN

The Honorable Blaine Luetkemeyer  
U.S. House of Representatives  
2230 Rayburn House Office Building  
Washington, D.C. 20515

Dear Congressman Luetkemeyer:

Thank you for your letter regarding Commission efforts to modernize our wireless infrastructure regulations. Our wireless infrastructure rules have been a poor fit for the 5G networks of the future, and our efforts to unleash spectrum for consumer use will be meaningless without the physical infrastructure needed to bring next-generation services to American consumers. That's because 5G networks will not depend on a few large towers but on numerous small cell deployments—deployments that are only beginning.

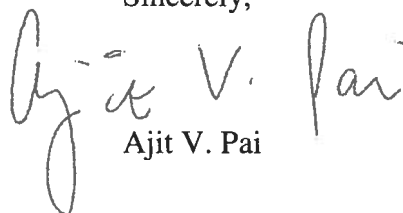
As you aptly noted, the Telecommunications Act of 1996 mandates that we act to ensure a pro-competitive, de-regulatory national policy framework to accelerate this process. That's why we acted earlier this year to modernize our regulations and streamline the federal regulatory review process for 5G infrastructure.

Many states and localities have similarly taken positive steps to reform their own laws so that their citizens can benefit from 5G. And I applaud municipalities like Indianapolis, Indiana; Phoenix, Arizona; and Sioux Falls, South Dakota, which have prioritized mobile broadband deployment and recognized that a streamlined process is necessary for 5G.

But in too many places, local rules and regulations continue to impede the build-out of 5G infrastructure. And so, with your encouragement, we took action in September to address such local regulations, which are inconsistent with federal law. Big-city taxes on 5G slow down deployment there and jeopardize the construction of 5G networks in suburbs and rural America. Accordingly, we set guard rails to ensure cities can recover their costs but not discriminate against new deployments. On a bipartisan basis, we also set reasonable shot clocks tailored to small wireless facilities while respecting the need for longer timelines when dealing with 200-foot towers. And we recognized the role that reasonable municipal regulations can play in this area. I believe the rules we adopted and reasonable balance we struck will help ensure American leadership in 5G.

As with all of our decisions, we reviewed a broad range of comments and listened carefully to the concerns of stakeholders. We also included your correspondence in the record of this proceeding. Please let me know if I can be of any further assistance.

Sincerely,



Ajit V. Pai





FEDERAL COMMUNICATIONS COMMISSION  
WASHINGTON

December 27, 2018

OFFICE OF  
THE CHAIRMAN

The Honorable Mark Walker  
U.S. House of Representatives  
1305 Longworth House Office Building  
Washington, D.C. 20515

Dear Congressman Walker:

Thank you for your letter regarding Commission efforts to modernize our wireless infrastructure regulations. Our wireless infrastructure rules have been a poor fit for the 5G networks of the future, and our efforts to unleash spectrum for consumer use will be meaningless without the physical infrastructure needed to bring next-generation services to American consumers. That's because 5G networks will not depend on a few large towers but on numerous small cell deployments—deployments that are only beginning.

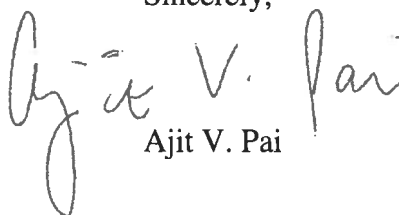
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OFFICE OF  
THE CHAIRMAN

FEDERAL COMMUNICATIONS COMMISSION  
WASHINGTON

December 27, 2018

The Honorable Gus Bilirakis  
U.S. House of Representatives  
2112 Rayburn House Office Building  
Washington, D.C. 20515

Dear Congressman Bilirakis:

Thank you for your letter regarding Commission efforts to modernize our wireless infrastructure regulations. Our wireless infrastructure rules have been a poor fit for the 5G networks of the future, and our efforts to unleash spectrum for consumer use will be meaningless without the physical infrastructure needed to bring next-generation services to American consumers. That's because 5G networks will not depend on a few large towers but on numerous small cell deployments—deployments that are only beginning.

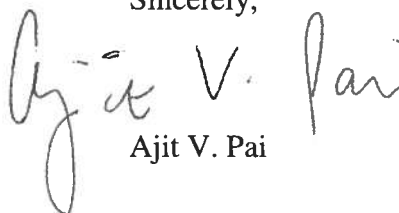
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